

ENGINEERING
TOMORROW

Danfoss

More efficient with faster connectivity

Mould your HVAC unit to be a top Performer

WSH series of R410A scroll compressors optimized for high efficiency air conditioning systems (low condensing temperatures)

5%

more efficient



Danfoss scroll WSH: shaped to optimize HVAC systems with low condensing temperatures

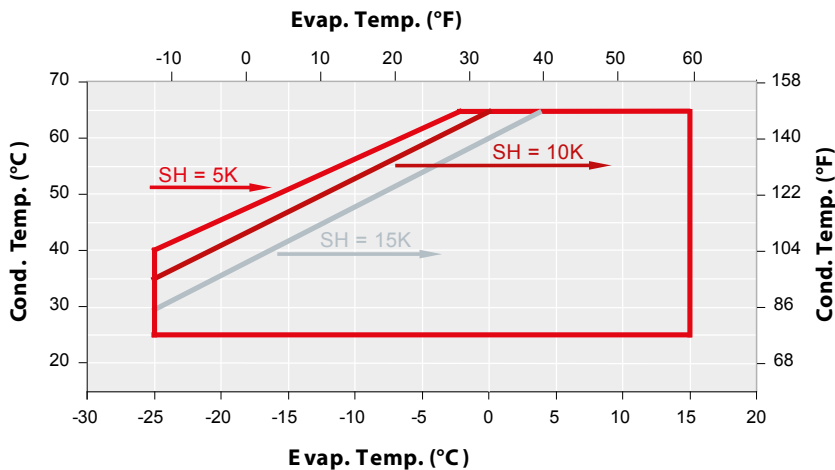
From 7.5 to 15 TR cooling capacities* available for water cooled chillers or packaged units

Models	090 - 105 - 120 - 140 - 161 - 184
Refrigerant	R410A
Cooling capacity (ARI conditions-60Hz)	7.5-15 TR 28-53 kW
Maximum service pressure	48 bar
Certification	CE/UL
Main features	Optimized range for low condensing temperatures Optimized scroll sets Patented hybrid manifold solution Efficient acoustic hood

From features to benefits:

- > optimized scroll sets increase compressor COP by 5% and your overall system efficiency
- > manifold combination as tandem and trio cut down installation costs
- > new optional acoustic hood reduces noise level by 6 to 8 dB(A) for greater comfort
- > quick electrical connector plug enhances your yearly productivity by 1% and helps reduce miswiring

WSH's operating envelopes



Suitable for most HVAC applications in:
hotels and villas
restaurants
office buildings
station waiting halls
factories

	Model	Nominal cooling capacity	Power input	Coefficient Of Performance
		W	kW	W/W
50 Hz	WSH090	22400	7,2	3,09
	WSH105	26800	8,7	3,09
	WSH120	30200	9,5	3,20
	WSH140	34400	10,9	3,15
	WSH161	39000	11,9	3,27
	WSH184	43800	13,9	3,15
60 Hz	WSH090	27500	8,6	3,19
	WSH105	32700	10,2	3,19
	WSH120	37000	11,4	3,25
	WSH140	41600	12,7	3,29
	WSH161	47500	14,4	3,29
	WSH184	53100	16,3	3,25



Preliminary data

Standard rating conditions: ARI standard Refrigerant: R410A
Evaporating temperature: 7.2 °C Condensing temperature: 54.4 °C
Superheat: 11.1 K Subcooling: 8.3 K

Subject to modification without prior notification. For full data details and capacity tables refer to Online Datasheet Generator: www.danfoss.com/odsg

For more information, please contact your local sales office.

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